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CCCAGGCTGA	TGATGATGCC	GCTGAGGAGT	AGACCCGGT					1958

FIGURE 1

MISQAIGAVA LGLAVIGGSS VDARSVAGRS TDMPSGLTKR QTQLSPLAL YEVPLPIPPL 60  
KAPNTVPNPN TGEDILYYEM EIRPFSHQIY PDLEPANMVG YDGMSPGPTI IVPRGTESVV 120  
RFVNSGENTS PNSVHLHGSF SRAPFDGWAЕ DTTQPGEYKD YYYPNRQAAR MLWYHDHAMS 180  
ITAENAYMGQ AGVYMIQDPA EDALNLPGY GEFDIPLVLT AKRYNADGTL FSTNGEVSSF 240  
WGDVIQVNGQ PWPMLNVQPR KYRFRFLNAA VSRSFALYLA TSEDSETRLP FQVIAADGGL 300  
LEGPVDTDTL YISMAERWEV VIDFSTFAGQ SIDIRNLPGA DGLGVEPEFD NTDKVMRFVV 360  
DEVLESPDTS EVPANLRDVP FPEGGNWDPA NPTDDETFTF GRANGQWTIN GVTFSDVENR 420  
LLRNVPRTV EIWRLENNSN GWTHPVHIHL VDFRVLRSRT ARGVEPYEAA GLKDVVWLAR 480  
REVVYVEAHY APFPGVYMLH CHNLIHEDHD MMAAFNVTVL GDYGYNYTEF IDPMEPLWRP 540  
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**FIGURE 2**

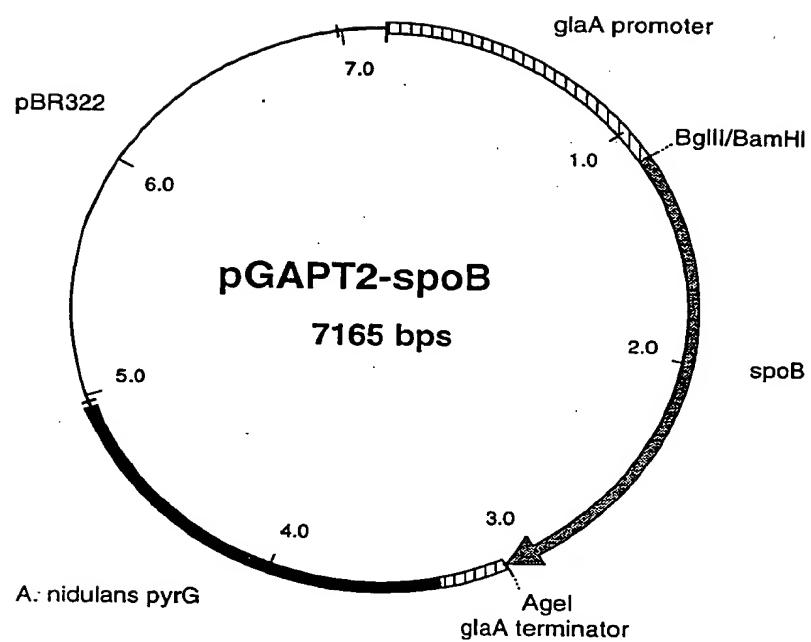
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GCCGATCCCT	CCTCTGAAGG	CGCCCCAAGTA	GTAAGTACAT	TCTATAGGCT	AGCAGAGCCA	ACGTTGCTAA	TCATTGCAGT	320
ACCGTCCCCA	ACCCCAACAC	TGGAGAGGAC	ATCTTGTACT	ACGAGATGGA	GATAGGCC	TTCTCCACC	AGATCTACCC	400
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TTTGATGGTT	GGGCTGAGGA	CACTACCCAG	CCTGGCGAGT	ACAAGGATTA	CTACTACCCC	AACAGGCAGG	CTGCCCGCAT	640
GCTTGGTAC	CATGACCATG	CCATGTCCAT	CACCGCCGAG	AACGCCCTACA	TGGGTCAGGC	TGGTGTCTAC	ATGATCCAGG	720
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GTCCATCGAT	ATCCCGCAACC	TTCCCTGGTC	TGACGGTCTC	GGTGGTGAGC	CTGAGTTGTA	TAACACTGAC	AAGGTCAATGC	1280
GATTGGCTGT	TGATGAAGTC	CTTGAGTCGC	CCGACACTTC	TGAGGTGCCT	GCCAACCTCC	GAGATGTCC	TTTCCCCGAG	1360
GGCGGCAACT	GGGACCCCGC	AAACCCCACT	GATGACGAGA	CTTTCACCTT	CGGGCGTGC	AATGGACAGT	GGACAATCAA	1440
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GGTGACTTCA	GCGAGCTTGC	CATCACTGAC	CGCATTCAAGG	AGATGGCTAG	CTTCAACCCC	TACGCCCCAGG	CTGATGATGA	2000
TGCCGCTGAG	GAGTAAATAT	GATGATCGTC	GAATGATTAA	TGGACAGCAG	TATATAGCTA	TTTTAGGAAA	TACTTGAATA	2080
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BIOLOGY

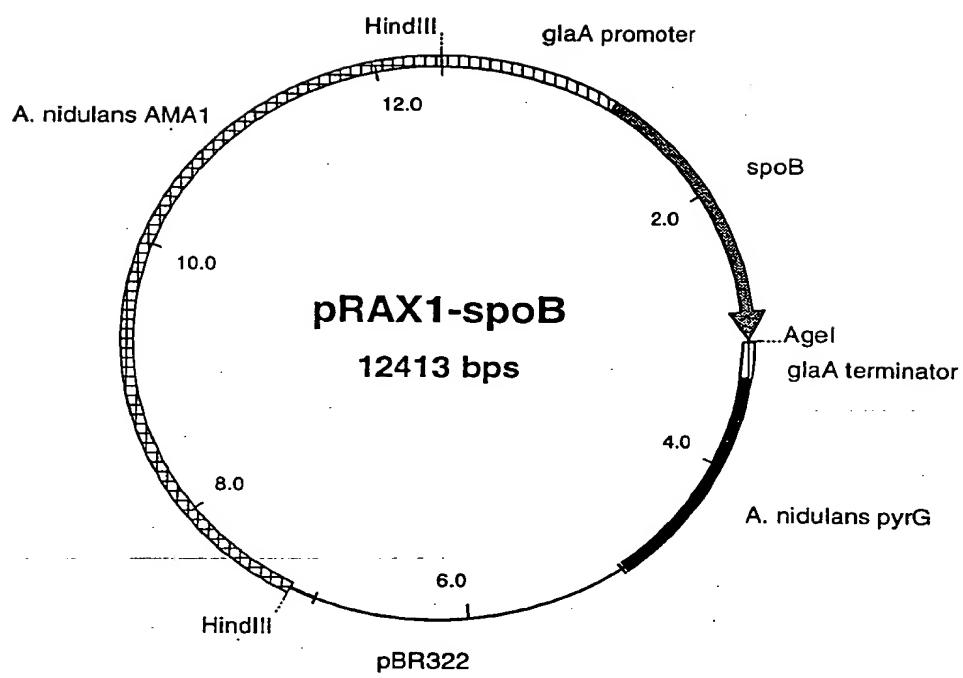
**FIGURE 3**

1 MFKHTLGAALSL.LFNSNAVQASPVP.ETSPATGHLFKRVQAQISPQYPM 48  
 1 MISQAIGAVALGLAVIGGSSDARSVAGRSTDMPSGLTKRQTQLSPPLAL 50  
 49 FTVPLPIPPVKQPRLTVTNPVNQEIWYYEVEIKPFTHQVYPDLGSADLV 98  
 51 YEVPLPIPPLKAPN.TVPNPNTGEDILYYEMEIRPFSHQIYPDLEPANMV 99  
 99 GYDGMSPGPTFQVPRGVETVVRFINNAE..APNSVHLHGSFSRAFDGWA 146  
 100 GYDGMSPGPTIIVPRGTESVVRFVNSENTSPNSVHLHGSFSRAPFDGWA 149  
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 150 EDTTQPGEYKDYYYYPNRQAARMLWYHDHAMSITAENAYMGQAGVYMIQDP 199  
 197 AEDALNLPSGYGEFDIPMILTSKQYTANGNLVTTNGELNSFWGDVIHVNG 246  
 200 AEDALNLPSGYGEFDIPLVLTAKRYNADGTLFSTNGEVSSFWGDVIQVNG 249  
 247 QWPWFKNVPRKYRFLDAAVSRSGFLYFADTDIAIDTRLPFKVIASDSG 296  
 250 QWPWMLNVQPRKYRFLNAAVSRSFALYLATSEDSETRLPFQVIAADGG 299  
 297 LLEHPADTSLLYISMAERYEVVFDFSDYAGKTIELRNLCGSGIGGIGTD 346  
 300 LLEGPVDTDTLYISMAERWEVVIFSTFAGQSIDIRNLPGA.DGLGVEPE 348  
 347 YDNTDKVMRFVVADDTTQPDTSVVPANLRDVPFPSPPTNTP.....RQF 390  
 349 FDNTDKVMRFVVDEVLESPDTSEVPANLRDVPFPPEGNWDPANPTDDETF 398  
 391 RFGRTGPTWTINGVAFAADVQNRLLANPVPGTVERWELINAGNGWTHPIHI 440  
 399 TFGGRANGQWTINGVTFSDVENRLRNVPRTVEIWRLENNNSNGWTHPVHI 448  
 441 HLVDFKVISRTSGNNARTVMPYE.SGLKDVVWLGRRETVVVEAHYAPFPG 489  
 449 HLVDFRVLRSRST...ARGVEPYEAAGLKDVVWLARREVVYVEAHYAPFPG 495  
 490 VYMFHCHNLIHEDHDMMAAFNATVLPDYGYNATVFPVDPMEELWQARPYEL 539  
 496 VYMLHCHNLIHEDHDMMAAFNVTVLGDYGYNYTEFIDPMEPLWRPRPFLL 545  
 540 GEFQAQSGQFSVQAVTERIQTMAEYRPYAAADE 572  
 546 GEFENGSGDFSELAITDRIQEMASFNPYAQADD 578

## FIGURE 4



**FIGURE 5**



**FIGURE 6**

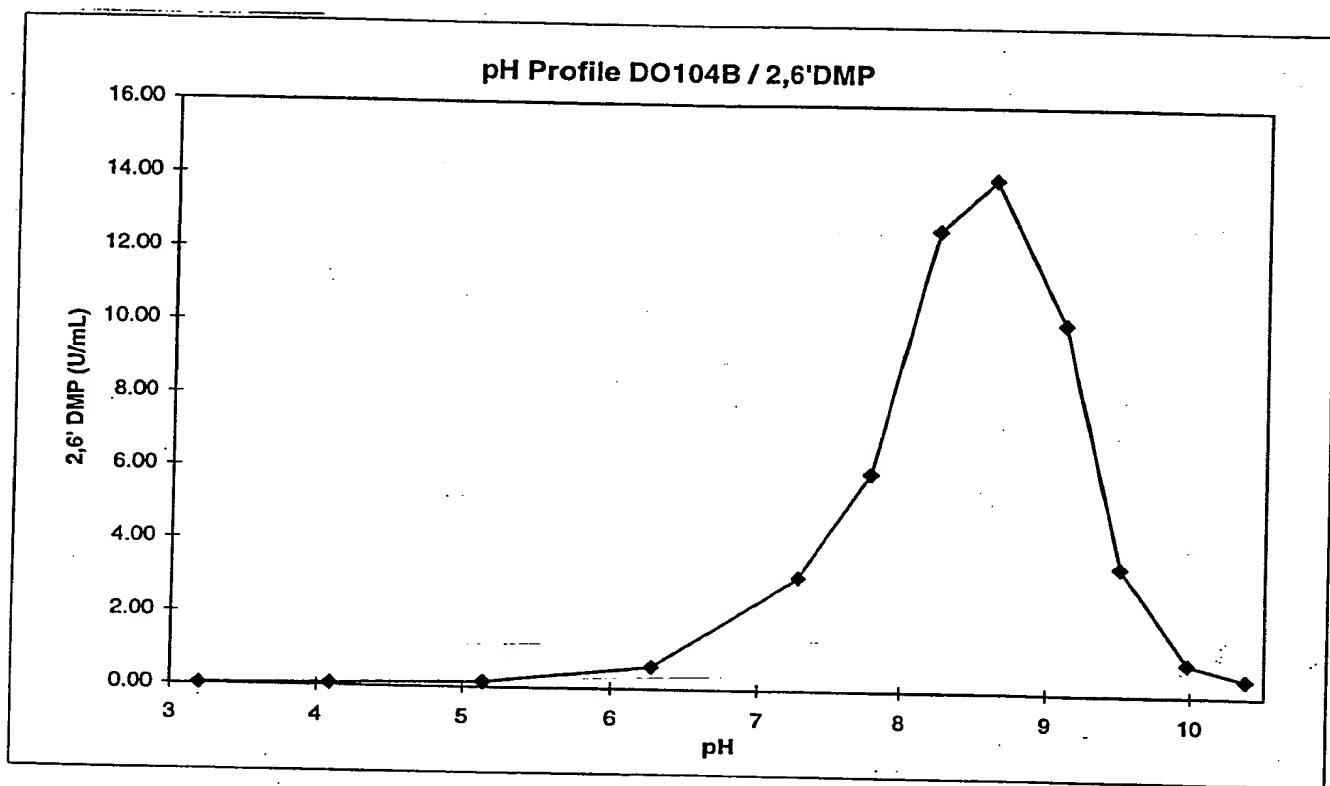


FIGURE 7

Native Gel

Silver Stain

4-20% Tris-Glycine Gel/Leammli Buffer

Column Fraction

Load #16 #17 #18 #19 #20 #21 #22 #23 #24 #25 #26 #27 #28 #29

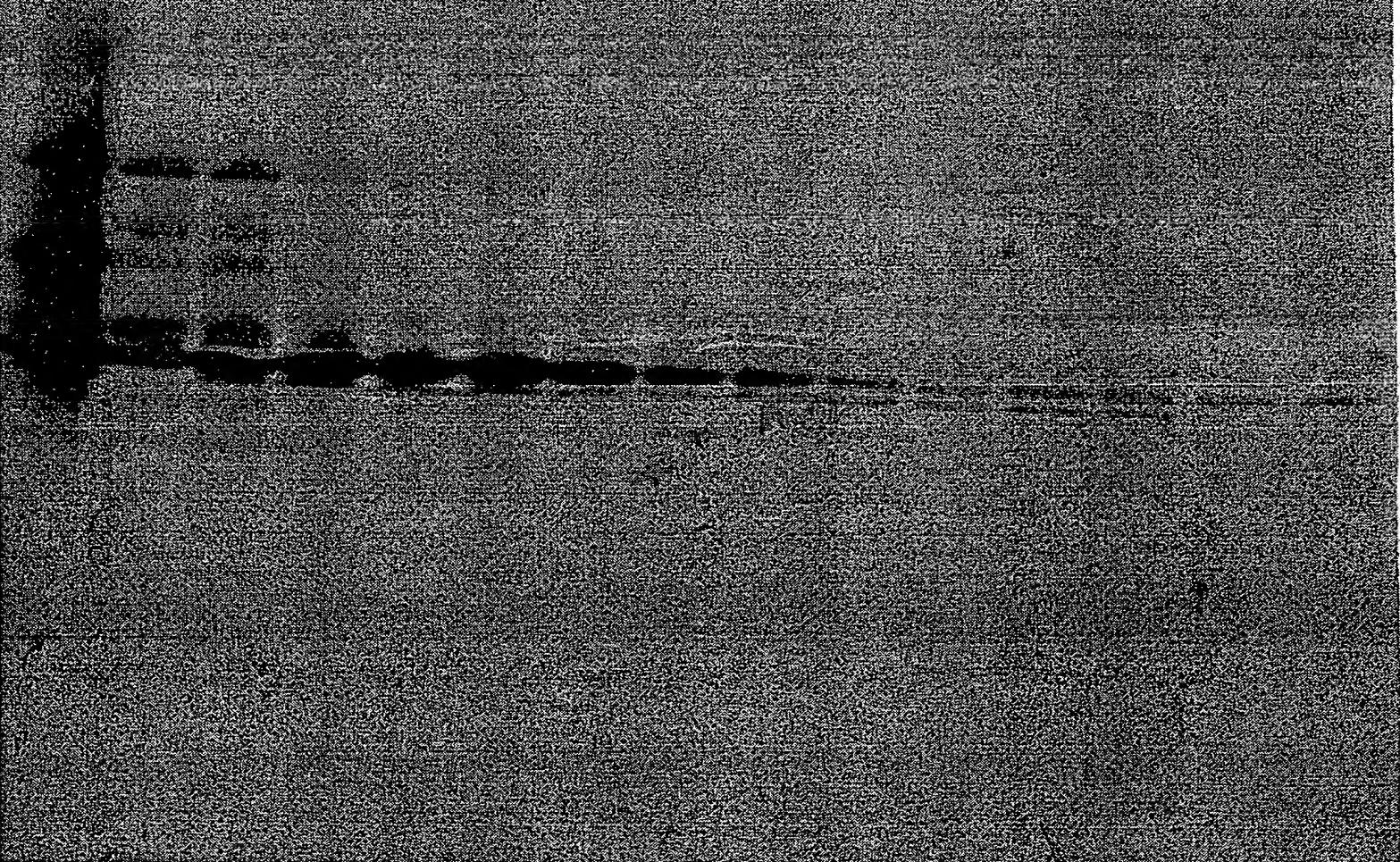


FIGURE 8

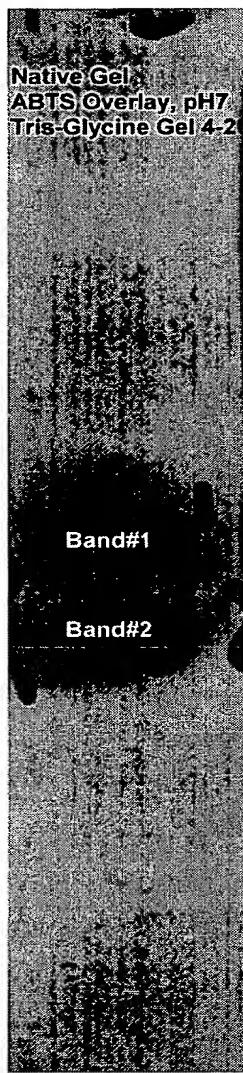


FIGURE 9

SDS-PAGE GEL  
Tris-Glycine 4-20%  
Laemmli/20% SDS

MW

Overlay

Overlay

Overlay

97KD

66K

43KD

30KD

21.5KD

14.3KD

FIGURE 10